

ABSTRACT

A sealing device for maintaining a vacuum seal about a mechanism that passes through a port of a process chamber. At least a portion of the sealing device is sealingly engaged with the mechanism, such as a shaft, and the sealing device may allow the
5 mechanism to be offset relative to the port in at least one degree of freedom. The mechanism may also be moved slidingly and/or rotationally relative to the portion of the sealing device engaged with the mechanism. The sealing device may include a flexible member that allows independent movement of the mechanism while sealing engagement with the mechanism is maintained.

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